

Title of Project: Leveraging Artificial Intelligence to Summarize Nunavut Primary Legal Information

CanLII provides free online access to decisions from Nunavut courts and tribunals, as well as consolidated legislation. Most of these documents are long, complex, and difficult to comprehend for a large portion of the public. The objective of this project is to use web services leveraging Artificial Intelligence (AI) and Lexum knowledge and expertise to automatically summarize Nunavut case law and legislation. CanLII will integrate with a commercially available Large Language Model (LLM) to systematically summarize:

- All historical case law (1,015 documents)
- Consolidated statutes and regulations (1,800 bilingual documents)
- Current materials (100 documents)

Summaries will be automatically generated using an LLM (most probably OpenAI's API, GPT-4) assisted with domain-specific prompt engineering. For case law, the summaries will be designed in accordance with the structure of legal reasoning: facts, procedural history, issues, decisions, rationale, reasons, etc. Each of these elements will be dynamically linked to the relevant paragraphs within the body of the corresponding case in order for users to be able to ascertain the validity of each claim. Here is an example of an AI-generated summary produced using the proposed approach:

Saskatchewan Human Rights Commission v Saskatchewan Power Corporation, 2024 SKCA 13 (CanLII):

<https://www.canlii.org/en/sk/skca/doc/2024/2024skca13/2024skca13.html#summary>

For legislation, the summaries will mimic the approach adopted by legislative counsels to present bills for review to members of parliament. The exact structure of legislative summaries and the corresponding prompt engineering are to be designed during the project.

The resulting machine-powered summaries will be made available to legal professionals and the public for free on the CanLII website. Summaries will be added to the headnotes of each corresponding document. Visual markings will make it obvious that these summaries are not official and were produced by AI software fine-tuned by CanLII.